



January 15, 2013

Project No. 10627.003.0

Ms. Chand Sultana  
California Environmental Protection Agency  
Department of Toxic Substances Control  
9211 Oakdale Avenue  
Chatsworth, California 91311

**Re: Quarterly Summary Report  
Fourth Quarter 2012  
Alcoa Cast Plate Division Site  
3200 Fruitland Avenue, Vernon, California  
Docket No. HAS-CO 09/10-121**

Dear Ms. Sultana:

Pursuant to the July 6, 2010, Imminent and Substantial Endangerment Determination and Consent Order (Order) between the California Department of Toxic Substances Control (DTSC) and Pechiney Cast Plate, Inc. (Pechiney; the Respondent), this quarterly summary report is hereby submitted by AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of the Respondent. As specified in the Order, this report provides a summary of the activities performed during the reporting period of October 1, 2012, through December 31, 2012 (fourth quarter 2012), and for the other elements outlined in Section 6.3 of the Order for the property located at 3200 Fruitland Avenue in Vernon, California (site). A summary of the activities conducted during the reporting period and for the elements outlined in the Order is provided below.

**Tasks Completed During the Reporting Period (Third Quarter 2012)**

- Provided schedule updates to DTSC during implementation of the Soil Vapor Extraction (SVE) and SVE/Bioventing wells, piping and treatment system installation work and groundwater monitoring well installation activities. As noted in the previously quarterly report, the implementation of the SVE and SVE/Bioventing remedy was accelerated due to a delay with the issuance of the City of Vernon's Community Services building and grading permits for the below-grade demolition and soil removal work.
- Completed the installation of the SVE and SVE/Bioventing wells in the Phase I and Phase III/IV areas of the site as outlined in the Remedial Action Plan (RAP), with the September 27, 2012 modifications implemented to adjust the well screen depths and to add additional deeper SVE wells in the Phase I area. These modifications were consistent with the overall approach/intent of the remedy outlined in the approved June 2012 RAP.
- Completed the installation of the associated above-grade SVE piping and treatment systems, and began baseline soil vapor sampling in both Phase I and Phase III/IV areas of the site.

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- Completed the installation and development of the groundwater monitoring well (AOW-10) outlined in the RAP in the Phase I area of the site. During this same period, existing on-site monitoring well AOW-9 was redeveloped.
- Provided a schedule update to the City of Vernon's Environmental Health Department (EHD) regarding the schedule for the implementation the SVE and SVE/Bioventing elements of the June 2012 RAP on October 8, 2012, along with the September 27, 2012 modifications proposed to DTSC in the Phase I area to adjust the well screen depths and to add additional deeper SVE wells.
- Resubmitted a copy of the August 20, 2012 version of the final site Grading Plan to the City of Vernon's Community Services & Water Departments (Community Services) on October 11, 2012.
- Submitted a revised Storm Water Pollution Prevention Plan (SWPPP) to the City of Vernon's Community Services on October 22, 2012, and received additional comments by electronic mail from the City of Vernon's Community Services on October 25, 2012. A revised SWPPP incorporating these comments was submitted to Community Services on November 5, 2012.
- Received City of Vernon's Community Services approved building and grading permits for the below-grade demolition work on November 5, 2012. However, attached to these permits was a "Rider" that noted that while the City of Vernon's Community Services approves the permits, the City of Vernon and the City of Vernon's EHD has not approved the demolition or grading work, or the related remediation work contemplated under the permits. Although this Rider impedes Pechiney from proceeding with the implementation of the below grade demolition and soil remediation work, Pechiney has begun the SVE and SVE/Bioventing remedies outlined in the RAP.

### **Results of Sampling and Significant Findings Obtained During the Reporting Period**

Initial sampling was conducted to establish a baseline of soil vapor conditions to support the startup of the Phase I and Phase III/IV SVE systems. Findings associated with the baseline sampling will be included in the SVE and SVE/Bioventing Startup Report to be submitted to DTSC during the second quarter of 2013.

### **Tasks Anticipated During the Current Reporting Period (First Quarter 2013 – January 1 through March 31)**

- Commencement of the SVE systems startup testing in January 2013, followed by the continuation of the SVE systems operation, maintenance, and monitoring (OMM) work.
- Commencement of the first quarter groundwater monitoring event as outlined in the RAP.



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### Tasks Planned for the Next Reporting Period (Second Quarter 2013 – April 1 through June 31)

- Continue SVE and SVE/Bioventing OMM and reporting.
- Continue quarterly groundwater monitoring and reporting.
- Submission of the SVE and SVE/Bioventing Startup Report

### Tasks Not Completed or Anticipated Problems in Complying with the Order

Although U.S. EPA issued its approval of the proposed polychlorinated biphenyl (PCB) remediation goals and on-site disposal of PCB-impacted soil and concrete as described in the RAP and Application, DTSC issued its final approval of the FS and RAP, and the City of Vernon's Community Services issuance of the building and grading permits for the below grade demolition and soil removal work, the City of Vernon and the City of Vernon's EHD approval to implement RAP has not been granted.<sup>1</sup> Therefore, the submittal of the final schedule as outlined in Section 5.2.2 of the Order with regard to the implementation of the below grade demolition and soil removal work outlined in the RAP will be submitted to DTSC once the City of Vernon and City of Vernon's EHD provides its approval the RAP.

If you have any questions or need any additional information, please call me at (949) 642-0245.

Sincerely yours,  
AMEC

Linda Conlan, PG  
Principal Geologist

cc: William Adams, Pechiney  
Gerald Pepper, Rio Tinto AUM Company  
John Cermak, Baker & Hostetler, LLP  
Allan Plaza, DTSC Chatsworth  
Christine Bucklin, DTSC Cypress  
Leonard Grossberg, City of Vernon Environmental Health Department  
Carmen Santos, U.S. Environmental Protection Agency, Region 9

<sup>1</sup> The Rider attached to the City of Vernon's Community Services demolition and grading permits noted that the City of Vernon and the City of Vernon's EHD have not approved this work, nor the related remediation work contemplated under the permits and as outlined in the RAP. Proceeding with the below grade demolition and soil remediation work is dependent on the City of Vernon and the City of Vernon's EHD's notification that it approves the implementation of this work.